

## WEST Search History

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DATE: Sunday, July 10, 2005

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L4	(kinase near5 (bead or support)) same peptide <i>DB=USPT; PLUR=YES; OP=OR</i>	36
<input type="checkbox"/>	L3	(kinase near5 (bead or support)) same peptide <i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>	55
<input type="checkbox"/>	L2	(kinase near5 (bead or support)) same peptide <i>DB=USPT; PLUR=YES; OP=OR</i>	91
<input type="checkbox"/>	L1	kinase near5 (bead or support)	387

END OF SEARCH HISTORY

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	4	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	5	MAR 02	GBFULL: New full-text patent database on STN
NEWS	6	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10	MAR 22	PATDPASPC - New patent database available
NEWS	11	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	13	APR 04	EMBASE - Database reloaded and enhanced
NEWS	14	APR 18	New CAS Information Use Policies available online
NEWS	15	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
NEWS	18	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19	JUN 06	STN Patent Forums to be held in June 2005
NEWS	20	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	21	JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	22	JUN 13	FRFULL enhanced with patent drawing images
NEWS	23	JUN 20	MEDICONF to be removed from STN
NEWS	24	JUN 27	MARPAT displays enhanced with expanded G-group definitions and text labels
NEWS	25	JUL 01	MEDICONF removed from STN
NEWS	26	JUL 07	STN Patent Forums to be held in July 2005
NEWS EXPRESS			JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
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NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 18:33:56 ON 10 JUL 2005

=> kinase (5n) (bead or support)

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

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=> fil medline biosis caplus embase wpids

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'MEDLINE' ENTERED AT 18:34:57 ON 10 JUL 2005

FILE 'BIOSIS' ENTERED AT 18:34:57 ON 10 JUL 2005

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FILE 'CAPLUS' ENTERED AT 18:34:57 ON 10 JUL 2005

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FILE 'EMBASE' ENTERED AT 18:34:57 ON 10 JUL 2005

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FILE 'WPIDS' ENTERED AT 18:34:57 ON 10 JUL 2005

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=> kinase (5n) (bead or support)

L1 1190 KINASE (5N) (BEAD OR SUPPORT)

=> peptide and l1

L2 122 PEPTIDE AND L1

=> dup rem l2

PROCESSING COMPLETED FOR L2

L3 53 DUP REM L2 (69 DUPLICATES REMOVED)

=> py>2000 and l3

L4 14 PY>2000 AND L3

=> l3 not l4

L5 39 L3 NOT L4

=> t ti l5 1-39

L5 ANSWER 1 OF 39 MEDLINE on STN

TI Serotonin-induced protein kinase C activation in cultured rat heart endothelial cells.

L5 ANSWER 2 OF 39 MEDLINE on STN  
 TI Monoclonal antibodies generated against recombinant ATM **support kinase** activity.

L5 ANSWER 3 OF 39 MEDLINE on STN  
 TI N-terminal region of P protein of Chandipura virus is responsible for phosphorylation-mediated homodimerization.

L5 ANSWER 4 OF 39 MEDLINE on STN  
 TI Evidence for and against a pivotal role of PI 3-kinase in a neuronal cell survival pathway.

L5 ANSWER 5 OF 39 MEDLINE on STN  
 TI A cell cycle regulated MAP kinase with a possible role in cytokinesis in tobacco cells.

L5 ANSWER 6 OF 39 MEDLINE on STN  
 TI Mechanism of platelet inhibition by nitric oxide: in vivo phosphorylation of thromboxane receptor by cyclic GMP-dependent protein kinase.

L5 ANSWER 7 OF 39 MEDLINE on STN  
 TI Requirement for Rho-mediated myosin light chain phosphorylation in thrombin-stimulated cell rounding and its dissociation from mitogenesis.

L5 ANSWER 8 OF 39 MEDLINE on STN  
 TI Regulation of native Kv1.3 channels by cAMP-dependent protein phosphorylation.

L5 ANSWER 9 OF 39 MEDLINE on STN  
 TI Substrates for protein kinase CK2 in insulin receptor preparations from rat liver membranes: identification of a 210-kDa protein substrate as the dimeric form of endoplasmin.

L5 ANSWER 10 OF 39 MEDLINE on STN  
 TI Effect of calcitonin gene-related **peptide** on sodium absorption through isolated skin of Rana esculenta.

L5 ANSWER 11 OF 39 MEDLINE on STN  
 TI Immunocytochemical localization of protein kinases Yes and Src in amoeboid microglia in culture: association of Yes kinase with vimentin intermediate filaments.

L5 ANSWER 12 OF 39 MEDLINE on STN  
 TI Lipoyl domain-based mechanism for the integrated feedback control of the pyruvate dehydrogenase complex by enhancement of pyruvate dehydrogenase kinase activity.

L5 ANSWER 13 OF 39 MEDLINE on STN  
 TI Differential modulation of bombesin-stimulated phospholipase C beta and mitogen-activated protein kinase activity by [D-Arg1,D-Phe5,D-Trp7,9,Leu11]substance P.

L5 ANSWER 14 OF 39 MEDLINE on STN  
 TI Activation of serine/threonine protein kinases and early growth response 1 gene expression by tumor necrosis factor in human myeloid leukemia cells.

L5 ANSWER 15 OF 39 MEDLINE on STN  
 TI The serum response factor nuclear localization signal: general implications for cyclic AMP-dependent protein kinase activity in control of nuclear translocation.

L5 ANSWER 16 OF 39 MEDLINE on STN  
 TI CD28 signal transduction: tyrosine phosphorylation and receptor association of phosphoinositide-3 kinase correlate with Ca(2+)-independent costimulatory activity.

L5 ANSWER 17 OF 39 MEDLINE on STN  
 TI Casein kinase II mediates multiple phosphorylation of *Saccharomyces cerevisiae* eIF-2 alpha (encoded by SUI2), which is required for optimal eIF-2 function in *S. cerevisiae*.

L5 ANSWER 18 OF 39 MEDLINE on STN  
 TI Ro 32-0432, a selective and orally active inhibitor of protein kinase C prevents T-cell activation.

L5 ANSWER 19 OF 39 MEDLINE on STN  
 TI Partial activation of the pyruvate dehydrogenase kinase by the lipoyl domain region of E2 and interchange of the kinase between lipoyl domain regions.

L5 ANSWER 20 OF 39 MEDLINE on STN  
 TI At least two kinases phosphorylate the MPM-2 epitope during *Xenopus* oocyte maturation.

L5 ANSWER 21 OF 39 MEDLINE on STN  
 TI Insulin receptor serine kinase activation by casein kinase 2 and a membrane tyrosine kinase.

L5 ANSWER 22 OF 39 MEDLINE on STN  
 TI Overexpression of protein kinase C isoenzymes alpha, beta I, gamma, and epsilon in cells overexpressing the insulin receptor. Effects on receptor phosphorylation and signaling.

L5 ANSWER 23 OF 39 MEDLINE on STN  
 TI Mechanistic studies on rhodopsin kinase. Light-dependent phosphorylation of C-terminal peptides of rhodopsin.

L5 ANSWER 24 OF 39 MEDLINE on STN  
 TI Direct photoaffinity-labelling of human deoxycytidine kinase with the feedback inhibitor dCTP.

L5 ANSWER 25 OF 39 MEDLINE on STN  
 TI Electrophoretic purification of the alpha and beta subunits of phosphorylase **kinase** and evidence in **support** of the deduced amino acid sequences.

L5 ANSWER 26 OF 39 MEDLINE on STN  
 TI Ultrastructural localization of cyclic adenosine 3',5'-monophosphate-dependent protein kinase after adrenocorticotropin stimulation in adrenal cortical tumor cells.

L5 ANSWER 27 OF 39 MEDLINE on STN  
 TI Interleukin 2 and diacylglycerol stimulate phosphorylation of 40 S ribosomal S6 protein. Correlation with increased protein synthesis and S6 kinase activation.

L5 ANSWER 28 OF 39 MEDLINE on STN  
 TI Altered phosphoglycerate kinase from old rat muscle shows no change in primary structure.

L5 ANSWER 29 OF 39 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
 TI Poly(ADP-ribose) modulates the properties of MARCKS proteins.

L5 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Affinity purification of recombinant proteins fused to calmodulin or to calmodulin-binding peptides

L5 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Application of the one-bead one-compound combinatorial library method in protein tyrosine kinase and cell surface receptor research

L5 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Identification and characterization of a novel **peptide** substrate for P60c-src protein tyrosine **kinase** using a one-bead one-**peptide** combinatorial **peptide** library method

L5 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Template directed cyclization of support-bound peptides.

L5 ANSWER 34 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Activation of serine/threonine protein kinases and early growth response 1 gene expression by tumor necrosis factor in human myeloid leukemia cells

L5 ANSWER 35 OF 39 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Method for the detection of phosphotyrosine residues

L5 ANSWER 36 OF 39 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN  
 TI Analysis and mapping of plastin phosphorylation.

L5 ANSWER 37 OF 39 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN  
 TI Regulation of native Kv1.3 channels by cAMP-dependent protein phosphorylation.

L5 ANSWER 38 OF 39 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN  
 TI Synergistic activation of a G protein-coupled receptor kinase by G protein  $\beta$  subunits and mastoparan or related peptides.

L5 ANSWER 39 OF 39 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED. on STN  
 TI Inhibition of neutrophil superoxide formation by 1-(5-isoquinolinesulfonyl)-2-methylpiperazine (H-7), an inhibitor of protein kinase-C.

=> 15 and bead

L6 4 L5 AND BEAD

=> d ibib abs 16 1-4

L6 ANSWER 1 OF 4 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
 ACCESSION NUMBER: 1998:342207 BIOSIS  
 DOCUMENT NUMBER: PREV199800342207  
 TITLE: Poly(ADP-ribose) modulates the properties of MARCKS proteins.  
 AUTHOR(S): Schmitz, Arndt A. P.; Pleschke, Jutta M.; Kleczkowska, Hanna E.; Althaus, Felix R. [Reprint author]; Vergeres, Guy [Reprint author]  
 CORPORATE SOURCE: Dep., Biophysical Chem., Biozentrum, Univ. Basel, Klingelbergstrasse 70, CH-4056 Basel, Switzerland  
 SOURCE: Biochemistry, (June 30, 1998) Vol. 37, No. 26, pp. 9520-9527. print.

CODEN: BICHAW. ISSN: 0006-2960.

DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 13 Aug 1998  
Last Updated on STN: 10 Sep 1998

AB In mammalian cells, the formation of DNA strand breaks is accompanied by synthesis of poly(ADP-ribose). This nucleic acid-like homopolymer may modulate protein functions by covalent and/or noncovalent interactions. Here we show that poly(ADP-ribose) binds strongly to the proteins of the myristoylated alanine-rich C kinase substrate (MARCKS) family, MARCKS and MARCKS-related protein (also MacMARCKS or F52). MARCKS proteins are myristoylated proteins associated with membranes and the actin cytoskeleton. As targets for both protein kinase C (PKC) and calmodulin (CaM), MARCKS proteins are thought to mediate cross-talk between these two signal transduction pathways. Dot blot assays show that poly(ADP-ribose) binds to MARCKS proteins at the highly basic effector domain. Complex formation between MARCKS-related protein and CaM as well as phosphorylation of MARCKS-related protein by the catalytic subunit of PKC are strongly inhibited by equimolar amounts of poly(ADP-ribose), suggesting a high affinity of poly(ADP-ribose) for MARCKS-related protein. Binding of MARCKS-related protein to membranes is also inhibited by poly(ADP-ribose). Finally, poly(ADP-ribose) efficiently reverses the actin-filament bundling activity of a **peptide** corresponding to the effector domain and inhibits the formation of actin filaments in vitro. Our results suggest that MARCKS proteins and actin could be targets of the poly(ADP-ribose) DNA damage signal pathway.

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1998:440824 CAPLUS

DOCUMENT NUMBER: 129:211222

TITLE: Application of the one-bead one-compound combinatorial library method in protein tyrosine kinase and cell surface receptor research

AUTHOR(S): Lam, K. S.; Lou, Q.; Wu, J.; Leftwich, M.; McKay, R. T.; Rychetsky, L.; Phan, H.; Joe, J.; Chen, M. -L.; Liu-Stevens, R.; Zhao, Y.; Salmon, S. E.

CORPORATE SOURCE: Arizona Cancer Center, Department of Medicine, University of Arizona, Tucson, AZ, 85724, USA

SOURCE: Peptides: Biology and Chemistry, Proceedings of the Chinese Peptide Symposium, 4th, Chengdu, Peop. Rep. China, July 21-25, 1996 (1998), Meeting Date 1996, 55-58. Editor(s): Xu, Xiao-Jie; Ye, Yun-Hua; Tam, James P. Kluwer: Dordrecht, Neth.

CODEN: 66KJAP

DOCUMENT TYPE: Conference

LANGUAGE: English

AB The "one-bead one-compound" combinatorial library method is extremely versatile and can be used to discover ligands for various mol. targets. Assays can be developed such that a specific biol. or phys. property can be detected. These assays, whether on-bead or in solution phase can easily be adapted to the "one-bead one-compound" library concept in e.g. protein tyrosine kinase and cell surface receptor research. Thus far, this specific combinatorial library method has proven to be very useful in both basic research and drug discovery.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1996:695882 CAPLUS

DOCUMENT NUMBER: 126:3618

TITLE: Identification and characterization of a novel **peptide** substrate for P60c-src protein

tyrosine kinase using a one-bead  
one-peptide combinatorial peptide  
library method

AUTHOR(S): Lam, K. S.; Lou, Q.; Wu, J.; Salmon, S. E.; Phan, H.  
CORPORATE SOURCE: Arizona Cancer Center, University Arizona, Tucson, AZ,  
85724, USA  
SOURCE: Peptides: Chemistry, Structure and Biology,  
Proceedings of the American Peptide Symposium, 14th,  
Columbus, Ohio, June 18-23, 1995 (1996), Meeting Date  
1995, 287-289. Editor(s): Kaumaya, Pravin T. P.;  
Hodges, Robert S. Mayflower Scientific: Kingswinford,  
UK.  
CODEN: 63NTAF  
DOCUMENT TYPE: Conference  
LANGUAGE: English

AB We have successfully applied a one-bead one-peptide  
combinatorial peptide library method for identification of  
linear peptide substrate motifs for cAMP-dependent protein  
kinase (a serine/threonine protein kinase) and for P60c-src protein  
tyrosine kinase (PTK). In this method, we first incubated the  
peptide-bead library with [ $\gamma$ -32P]ATP and the  
protein kinase. After incubation, the beads were washed thoroughly with  
high salt buffer followed by heating with 1.0 M HCl for 5 min to remove  
all the non-covalent [ $\gamma$ -32P]ATP binding and washed thoroughly again.  
The beads were then suspended in molten 1.5% (w/v) agarose and plated on a  
glass plate. The bead-containing gel was then air-dried to form a  
film and exposed to an X-ray film. Autoradiog. was then used to localize  
the [32P]-labeled beads. The beads corresponding to the autoradiog. spots  
were removed and suspended in molten agarose solution again for secondary  
plating. With this dilution, single [32P]-labeled beads could be isolated  
for microsequencing.

L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 1993:209001 CAPLUS  
DOCUMENT NUMBER: 118:209001  
TITLE: Method for the detection of phosphotyrosine residues  
INVENTOR(S): Ziltener, Hermann J.  
PATENT ASSIGNEE(S): Can.  
SOURCE: PCT Int. Appl., 32 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9303377	A1	19930218	WO 1992-CA328	19920730

W: CA, JP

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE

PRIORITY APPLN. INFO.: US 1991-739141 A 19910731

AB A sensitive and rapid method for detecting phosphotyrosine residues uses  
antiphosphotyrosine antibody in a particle concentration fluorescence  
immunoassay. This immunoassay can be used to measure the activity of and  
screen for a protein tyrosine kinase, a protein tyrosine phosphatase, and  
their modulators and substrates. Fluoricon 0.8- $\mu$ m diameter  
carboxyl-activated polystyrene particles were coupled with myelin basic  
protein or a peptide derived from protein tyrosine kinase  
p56lck. Protein tyrosine kinase p56lck was assayed by adding a mixture of  
substrate-coated particles in Tris-HCl buffer containing ATP and MnCl<sub>2</sub> to  
wells of a filtration plate, adding sample to the wells, incubating at  
37° for 15 min, draining the wells, washing with buffer to remove



kinase, adding anti-phosphotyrosine monoclonal antibody, and detecting bound antibody by particle concentration fluorescence immunoassay.

=> d his

(FILE 'HOME' ENTERED AT 18:33:56 ON 10 JUL 2005)

FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, WPIDS' ENTERED AT 18:34:57 ON 10 JUL 2005

L1	1190 KINASE (5N) (BEAD OR SUPPORT)
L2	122 PEPTIDE AND L1
L3	53 DUP REM L2 (69 DUPLICATES REMOVED)
L4	14 PY>2000 AND L3
L5	39 L3 NOT L4
L6	4 L5 AND BEAD

=> logoff y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	39.16	39.58
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.19	-2.19

STN INTERNATIONAL LOGOFF AT 18:40:08 ON 10 JUL 2005